## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No:

To be Assigned

Applicant:

Joseph H. End, III

Filed:

Herewith

Title:

DUAL ACTIVE BANK MEMORY CONTROLLER

TC/A.U.: Examiner:

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,

Stephen J. Weed, Reg No. 45,202

Attorney for Applicant

Enclosures: PTO Form 1449

(4) References

Dated: July 17, 2003

PTO/SB/08A (AW 4/25/03) (04-03)
Approved for use through 04/30/2004. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for Form 1449/PTO	Complete if Known	
	Application Number	Not Yet Known
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Filing Date	Concurrently Herewith
	First Named Inventor	Joseph H. End III
	Art Unit	
	Examiner Name	
SHEET 1 of 1	Attorney Docket No.	TN302

	U.S. PATENT DOCUMENTS					
5		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where	
Examiner Cite Initials* No.1		Number - Kind Code <sup>2 (if known)</sup>	(MM-DD-YYYY)	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
		US-6,000,019	12/07/1999	Dykstal et al.		
	ĺ	US-6,487,648 B1	11/26/2002	Hassoun		
	-	US-4,789,960	12/06/1988	Willis		
		US-5,623,311	04/22/1997	Phillips et al.		
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Examiner	Cite	Foreign Patent Document  Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If known)	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т,
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04.

<sup>&</sup>lt;sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>&#</sup>x27;Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

'Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

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